

Claims

[c1] What is claimed is:

1. A repairing method for a liquid crystal display panel comprising:

continuously providing a first pressure to two opposite surfaces of the liquid crystal display panel;

continuously providing a second pressure to two opposite surfaces of the liquid crystal display panel, and removing a sealant in a liquid crystal injection area;

continuously providing a third pressure to two opposite surfaces of the liquid crystal display panel to press liquid crystal out through the liquid crystal injection area, and cleaning the pressed-out liquid crystal;

sealing the liquid crystal injection area with a fresh sealant and continuously providing a fourth pressure to two opposite surfaces of the liquid crystal display panel; and

curing the fresh sealant and removing the fourth pressure.

[c2] 2. The repairing method of claim 1, wherein the liquid crystal injection area is a liquid crystal injection hole.

[c3] 3. The repairing method of claim 2, further comprising

removing the sealant outside the liquid crystal injection hole before providing the first pressure.

- [c4] 4. The repairing method of claim 1 wherein the liquid crystal injection area is a portion of a sealing area of the liquid crystal display panel, and an auxiliary structure is formed at an edge of the liquid crystal display panel beside the portion of the sealing area.
- [c5] 5. The repairing method of claim 4 wherein the auxiliary structure is formed by filling a gap of the liquid crystal display panel with an ultraviolet sensitive material and curing the ultraviolet sensitive material.
- [c6] 6. The repairing method of claim 4 wherein the liquid crystal display panel is filled up with the liquid crystal utilizing a one-drop-fill method.
- [c7] 7. The repairing method of claim 1 used for repairing an uneven defect on the liquid crystal display panel caused by a gravity issue.
- [c8] 8. The repairing method of claim 1 wherein the step of removing the sealant in the liquid crystal injection area utilizes a laser to burn down the sealant.
- [c9] 9. The repairing method of claim 1 wherein temperature of the liquid crystal display panel is maintained at 20 to

80° when providing the first pressure.

- [c10] 10. The repairing method of claim 1 wherein temperature of the liquid crystal display panel is maintained at 20 to 80° when providing the second pressure.
- [c11] 11. The repairing method of claim 1 wherein temperature of the liquid crystal display panel is maintained at 20 to 80° when providing the third pressure.
- [c12] 12. The repairing method of claim 1 wherein the first pressure equals the second pressure.
- [c13] 13. The repairing method of claim 1 wherein the second pressure equals the third pressure.
- [c14] 14. The repairing method of claim 1 wherein the third pressure is larger than the fourth pressure, the fourth pressure is larger than the first pressure, and the first pressure is similar to the second pressure.